

No.

200700323



# THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

*Limagrain Advanta Nederland B.V.*

Whereas, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC EXAMINATIONS, A QUANTITY OF BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE APPLICANT(S) SHALL BE PROHIBITED FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR PROPAGATING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE FOREGOING PURPOSES, OR PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED IN THE PLANT VARIETY PROTECTION ACT. IN THE UNITED STATES SEED OF THIS VARIETY SHALL BE SOLD AND OFFERED AS A CLASS OF CERTIFIED SEED AND (2) SHALL CONFORM TO THE REQUIREMENTS OF THE ACT. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

PEA, FIELD

'Matrix'

In Testimony Whereof, I have hereunto set my hand and caused the seal of the Plant Variety Protection Office to be affixed at the City of Washington, D.C. this twenty-seventh day of September, in the year two thousand and seven.

Attest:

Commissioner  
Plant Variety Protection Office  
Agricultural Marketing Service

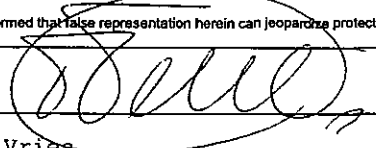
Secretary of Agriculture

U.S. DEPARTMENT OF AGRICULTURE  
AGRICULTURAL MARKETING SERVICE  
SCIENCE AND TECHNOLOGY - PLANT VARIETY PROTECTION OFFICE

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE  
(Instructions and information collection burden statement on reverse)

The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a) and the Paperwork Reduction Act (PRA) of 1995.

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).

1. NAME OF OWNER Limagrain Advanta Nederland B.V.		2. TEMPORARY DESIGNATION OR EXPERIMENTAL NAME Ceb 1093.		3. VARIETY NAME Matrix	
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code, and Country)  v.d. Haveweg 2, 4411 RB Rilland Netherlands		5. TELEPHONE (include area code) +31 113 557 100		FOR OFFICIAL USE ONLY PVPO NUMBER #200700323 FILING DATE MAY 11, 2007	
		6. FAX (include area code) +31 113 552 237			
7. IF THE OWNER NAMED IS NOT A "PERSON", GIVE FORM OF ORGANIZATION (corporation, partnership, association, etc.) Corporation		8. IF INCORPORATED, GIVE STATE OF INCORPORATION Rilland-Holland		9. DATE OF INCORPORATION 03-10-2006	
10. NAME AND ADDRESS OF OWNER REPRESENTATIVE(S) TO SERVE IN THIS APPLICATION. (First person listed will receive all papers)				FILING AND EXAMINATION FEES: \$ 4,382.00 DATE 5/11/07 CERTIFICATION FEE: \$ 768.00 DATE 9/18/07	
11. TELEPHONE (Include area code)		12. FAX (Include area code)		13. E-MAIL Titus-de.Vries@Limagrain.com.	
14. CROP KIND (Common Name) Pea		16. FAMILY NAME (Botanical) Leguminosae		18. DOES THE VARIETY CONTAIN ANY TRANSGENES? (OPTIONAL) <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO IF SO, PLEASE GIVE THE ASSIGNED USDA-APHIS REFERENCE NUMBER FOR THE APPROVED PETITION TO DEREGULATE THE GENETICALLY MODIFIED PLANT FOR COMMERCIALIZATION.	
15. GENUS AND SPECIES NAME OF CROP Pisum sativum L		17. IS THE VARIETY A FIRST GENERATION HYBRID? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		20. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE SOLD AS A CLASS OF CERTIFIED SEED? (See Section 83(a) of the Plant Variety Protection Act) <input checked="" type="checkbox"/> YES (If "yes", answer items 21 and 22 below) <input type="checkbox"/> NO (If "no", go to item 23)	
19. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED (Follow instructions on reverse) a. <input checked="" type="checkbox"/> Exhibit A. Origin and Breeding History of the Variety b. <input checked="" type="checkbox"/> Exhibit B. Statement of Distinctness c. <input checked="" type="checkbox"/> Exhibit C. Objective Description of Variety d. <input type="checkbox"/> Exhibit D. Additional Description of the Variety (Optional) e. <input checked="" type="checkbox"/> Exhibit E. Statement of the Basis of the Owner's Ownership f. <input checked="" type="checkbox"/> Exhibit F. Declaration Regarding Deposit g. <input checked="" type="checkbox"/> Voucher Sample (3,000 viable untreated seeds or, for tuber propagated varieties, verification that tissue culture will be deposited and maintained in an approved public repository) h. <input checked="" type="checkbox"/> Filing and Examination Fee (\$4,382), made payable to "Treasurer of the United States" (Mail to the Plant Variety Protection Office)		21. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF CLASSES? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, WHICH CLASSES? <input checked="" type="checkbox"/> FOUNDATION <input checked="" type="checkbox"/> REGISTERED <input checked="" type="checkbox"/> CERTIFIED		22. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, SPECIFY THE NUMBER 1,2,3, etc. FOR EACH CLASS. <input checked="" type="checkbox"/> FOUNDATION <input checked="" type="checkbox"/> REGISTERED <input checked="" type="checkbox"/> CERTIFIED (If additional explanation is necessary, please use the space indicated on the reverse.)	
23. HAS THE VARIETY (INCLUDING ANY HARVESTED MATERIAL) OR A HYBRID PRODUCED FROM THIS VARIETY BEEN SOLD, DISPOSED OF, TRANSFERRED, OR USED IN THE U. S. OR OTHER COUNTRIES? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO IF YES, YOU MUST PROVIDE THE DATE OF FIRST SALE, DISPOSITION, TRANSFER, OR USE FOR EACH COUNTRY AND THE CIRCUMSTANCES. (Please use space indicated on reverse.)		24. IS THE VARIETY OR ANY COMPONENT OF THE VARIETY PROTECTED BY INTELLECTUAL PROPERTY RIGHT (PLANT BREEDER'S RIGHT OR PATENT)? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO IF YES, PLEASE GIVE COUNTRY, DATE OF FILING OR ISSUANCE AND ASSIGNED REFERENCE NUMBER. (Please use space indicated on reverse.)			
25. The owners declare that a viable sample of basic seed of the variety has been furnished with application and will be replenished upon request in accordance with such regulations as may be applicable, or for a tuber propagated variety a tissue culture will be deposited in a public repository and maintained for the duration of the certificate. The undersigned owner(s) is(are) the owner of this sexually reproduced or tuber propagated plant variety, and believe(s) that the variety is new, distinct, uniform, and stable as required in Section 42, and is entitled to protection under the provisions of Section 42 of the Plant Variety Protection Act. Owner(s) is (are) informed that false representation herein can jeopardize protection and result in penalties.					
SIGNATURE OF OWNER 		SIGNATURE OF OWNER			
NAME (Please print or type) Titus T. de Vries		NAME (Please print or type)			
CAPACITY OR TITLE Variety Registration		DATE		CAPACITY OR TITLE DATE	

**Limagrain**  
**Advanta**

(See reverse for instructions and information collection burden statement)

**GENERAL INSTRUCTIONS:** To be effectively filed with the Plant Variety Protection Office (PVPO), ALL of the following items must be received in the PVPO: (1) Completed application form signed by the owner; (2) completed exhibits A, B, C, E, F; (3) for a tuber reproduced variety, verification that a viable (*in the sense that it will reproduce an entire plant*) tissue culture will be deposited and maintained in an approved public repository; and (4) payment by credit card or check drawn on a U.S. bank for \$4,382 (\$518 filing fee and \$3,864 examination fee), payable to "Treasurer of the United States" (See Section 97.6 of the Regulations and Rules of Practice). **NEW:** With the application for a seed reproduced variety or by direct deposit soon after filing, the applicant must provide at least 3,000 viable untreated seeds of the variety *per se*, and for a hybrid variety at least 3,000 untreated seeds of each line necessary to reproduce the variety. Partial applications will be held in the PVPO for not more than 90 days; then returned to the applicant as un-filed. Mail application and other requirements to Plant Variety Protection Office, AMS, USDA, Room 401, NAL Building, 10301 Baltimore Avenue, Beltsville, MD 20705-2351. **Retain one copy for your files.** All items on the face of the application are self explanatory unless noted below. Corrections on the application form and exhibits must be initialed and dated. **DO NOT** use masking materials to make corrections. If a certificate is allowed, you will be requested to send a payment by credit card or check payable to "Treasurer of the United States" in the amount of \$768 for issuance of the certificate. Certificates will be issued to owner, not licensee or agent.

**NOTES:** It is the responsibility of the applicant/owner to keep the PVPO informed of any changes of address or change of ownership or assignment or owner's representative during the life of the application/certificate. The fees for filing a change of address; owner's representative; ownership or assignment; or any modification of owner's name is specified in Section 97.175 of the regulations. (See Section 101 of the Act, and Sections 97.130, 97.131, 97.175(h) of the Regulations and Rules of Practice.)

Plant Variety Protection Office  
Telephone: (301) 504-5518 FAX: (301) 504-5291  
General E-mail: PVPOmail@usda.gov  
Homepage: <http://www.ams.usda.gov/science/pvpo/PVPindex.htm>

#### SPECIFIC INSTRUCTIONS:

To avoid conflict with other variety names in use, the applicant must check the appropriate recognized authority and provide evidence that the permanent name of the application variety (even if it is a parental, inbred line) has been cleared by the appropriate recognized authority before the Certificate of Protection is issued. For example, for agricultural and vegetable crops, contact: U.S. Department of Agriculture, Agricultural Marketing Service, Livestock and Seed Programs, Seed Regulatory and Testing Branch, 801 Summit Crossing Place, Suite C, Gastonia, North Carolina 28054-2193 Telephone: (704) 810-8870. <http://www.ams.usda.gov/lsg/seed.htm>.

#### ITEM

- 19a. Give:
- (1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method;
  - (2) the details of subsequent stages of selection and multiplication;
  - (3) evidence of uniformity and stability; and
  - (4) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified
- 19b. Give a summary of the variety's distinctness. Clearly state how this application variety may be distinguished from all other varieties in the same crop. If the new variety is most similar to one variety or a group of related varieties:
- (1) identify these varieties and state all differences objectively;
  - (2) attach replicated statistical data for characters expressed numerically and demonstrate that these are clear differences; and
  - (3) submit, if helpful, seed and plant specimens or photographs (prints) of seed and plant comparisons which clearly indicate distinctness.
- 19c. Exhibit C forms are available from the PVPO Office for most crops; specify crop kind. Fill in Exhibit C (Objective Description of Variety) form as completely as possible to describe your variety.
- 19d. Optional additional characteristics and/or photographs. Describe any additional characteristics that cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the characteristics that are difficult to describe, such as plant habit, plant color, disease resistance, etc.
- 19e. Section 52(5) of the Act requires applicants to furnish a statement of the basis of the applicant's ownership. An Exhibit E form is available from the PVPO.
20. If "Yes" is specified (*seed of this variety be sold by variety name only, as a class of certified seed*), the applicant **MAY NOT** reverse this affirmative decision after the variety has been sold and so labeled, the decision published, or the certificate issued. However, if "No" has been specified, the applicant may change the choice. (See Regulations and Rules of Practice, Section 97.103).
23. See Sections 41, 42, and 43 of the Act and Section 97.5 of the regulations for eligibility requirements.
24. See Section 55 of the Act for instructions on claiming the benefit of an earlier filing date.

22. CONTINUED FROM FRONT (Please provide a statement as to the limitation and sequence of generations that may be certified.)

23. CONTINUED FROM FRONT (Please provide the date of first sale, disposition, transfer, or use for each country and the circumstances, if the variety (including any harvested material) or a hybrid produced from this variety has been sold, disposed of, transferred, or used in the U.S. or other countries.)

24. CONTINUED FROM FRONT (Please give the country, date of filing or issuance, and assigned reference number, if the variety or any component of the variety is protected by intellectual property right (Plant Breeder's Right or Patent).)

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 1.4 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

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To file a complaint of discrimination, write to USDA, Director, Office of Civil Rights, 1400 Independence Avenue, S.W., Washington, D.C. 20250-9410, or call (800) 795-3272 (voice) or (202) 720-6382 (TDD). USDA is an equal opportunity provider and employer.

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EXHIBIT A

Origin and breeding history of Ceb 1093 (Matrix).

1. Genealogy:

Ceb 1093 (Matrix) is selected out of the following crossing:

Ceb 97606 x Xsara in the year 1998

Ceb 97606	= Badminton	x 92585
92585	= Champagne	x Ceb 1136
Ceb 1136	= Solara	x {(Flavanda x Progreta) x Flavanda}

In 1998 a single plant was selected in the F3, followed by line selection an replicated yield trials.

The breeding-process was carried out at our breeding station in lelystad in the center of the Netherlands. This station is situated on 150 ha reclaimed land on heavy clay soil and is equipped with all the necessary facilities including lab facilities and greenhouses.

2. Breeding goals:

The breeding goals were;

F4 Plant selection	Straw stiffness
	Plant length

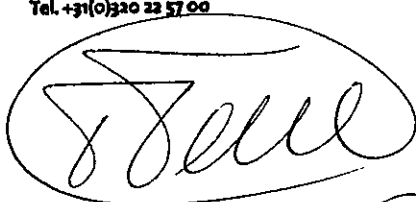
F5 Line selection	Straw stiffness
	Maturity
	Resistance to:
	- Mildew
	- Botrytis

F6 Yield trails	Yield
	Straw stiffness
	Seed size

F7 yield trials	Yield
Further	Protein content.

  
**Limagrain**  
**Advanta**

Limagrain Advanta Nederland BV  
P.O. Box 199 - Lisdoddeweg 36  
8200 AC Lelystad - The Netherlands  
Tel. +31(0)320 22 57 00



**EXHIBIT A-bis**

**Evidence of Uniformity and Stability of Ceb 1093 (Matrix) (Pisum sativum L).**

In our private trials in the Netherlands Ceb 1093 (Matrix) is still being tested and observed since 2000. So far we may conclude:

1. No significant off-types have been observed. This confirms Ceb 1093 (Matrix) to be a uniform variety.
2. Over the years Ceb 1093 (Matrix) has shown itself as a stable variety.

**Limagrain Advanta Nederland BV**

P.O. Box 139 – 8200 AC LELYSTAD – The Netherlands  
Lisdoddeweg 36 – 8219 PR LELYSTAD  
Tel. +31 (0) 320 22 57 00 – Fax +31 (0) 320 22 57 57  
info@limagrainadvanta.nl – www.limagrainadvanta.nl

VAT No. NL002101816B01 – Bank account 56.94.66.369 – Chamber of Commerce No. Middelburg 22000154

Limagrain<sup>®</sup> is a SCA Limagrain trademark Advanta<sup>®</sup> is a registered trademark owned by Advanta Netherlands Holdings BV and used under licence

200700323

### Statement of Distinctness of Ceb 1093 (Matrix) (*Pisum sativum* L).

Ceb 1093 (Matrix) has been found distinct from all other known varieties but is most similar to Solara. However Ceb 1093 (Matrix) can be distinguished from Solara in the characteristics, as described in the following table.


All this data in the table has been recorded in trials on ou breeding station in Lelystad, the Netherlands.

Character:	Ceb 1093 (Matrix)	Solara
“er” resistant gene (Powdery mildew resistance)	Present	Absent



**Umagrain Advanta Nederland BV**  
P.O. Box 139 - Lisdoddeweg 36  
8200 AC Lelystad - The Netherlands  
Tel. +31(0)320 22 57 00

Tel. +34(0)920 22 57 00



REPRODUCE LOCALLY. Include form number and date on all reproductions.

Form Approved OMB NO 0581-0055

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 2.0 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

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U.S. DEPARTMENT OF AGRICULTURE  
AGRICULTURAL MARKETING SERVICE  
SCIENCE AND TECHNOLOGY  
PLANT VARIETY PROTECTION OFFICE  
BELTSVILLE, MD 20705

Exhibit C

OBJECTIVE DESCRIPTION OF VARIETY  
Pea (*Pisum sativum* L.)

NAME OF APPLICANT (S) <i>Limagrain Advanta Nederland BV</i>	TEMPORARY OR EXPERIMENTAL DESIGNATION <i>Ceb 1093</i>	VARIETY NAME <i>Matrix</i>
ADDRESS (Street and No. or RD No., City, State, Zip Code and Country) <i>P.O. Box 1 4410 AA Rilland Netherlands.</i>		PVP NUMBER <b>#200700323</b>

PLEASE READ ALL INSTRUCTIONS CAREFULLY: Place the appropriate number that describes the varietal character of this variety in the boxes below. Place a zero in the first box (e.g.,    or   ) when the number is either 99 or less or 9 or less respectively. Data for quantitative plant characters should be based on a minimum of 100 plants. Comparative data should be determined from varieties entered in the same trial. Royal Horticultural Society or any recognized color standard may be used to determine plant colors; designate system used: \_\_\_\_\_ Please answer all questions for your variety; lack of response may delay progress of your application.

1. TYPE:

☒ 2

1 = Garden

2 = Field

3 = Edible-podded 4 = Other (Specify) \_\_\_\_\_

2. MATURITY:

*21 MAY 8/22/07*  
☒ 5

Node Number of First Bloom:

No. of Days Processing

Heat Units

No. of Days Earlier Than

Days Same As

No. of Days Later Than

1 = Alaska

2 = Thomas Laxton WR

3 = Little Marvel

4 = Wando

5 = Alderman WR

6 = Australian Winter

7 = Other (Specify) *Lumina*

3. PLANT HEIGHT:

cm High

cm Shorter Than

Same As

cm Taller Than

Name of Check Cultivar *Solara*

Same as Check Cultivar \_\_\_\_\_

Name of Check Cultivar \_\_\_\_\_

4. VINE:

☒ 1

Habit:

1 = Determinate

2 = Indeterminate

☒ 2

Branching:

1 = None (Alaska)

2 = 1-2 Branches (Little Marvel)

3 = More than 2 Branches (Dwarf Gray Sugar)

☒ 2

Internodes:

1 = Straight

2 = Zig Zag

Number of Nodes

☒ 2

Stockiness:

1 = Slim (Alaska)

2 = Medium (Thomas Laxton WR)

3 = Heavy (Alderman)

## 5. LEAFLETS:

- ☐ Color: 1 = Light Green (Alaska WR) 2 = Medium Green (Thomas Laxton WR) 3 = Dark Green (Alderman)  
4 = Other (Specify) \_\_\_\_\_ 5 = Blue Green 6 = Yellow Green 0 = Not Applicable
- ☐ Wax: 1 = None 2 = Light 3 = Medium 4 = Heavy 0 = Not Applicable
- ☐ Molding: 1 = Not Marbled 2 = Marbled (Alaska) 0 = Not Applicable
- ☐ Number of Leaflet Pairs: 1 = Not Paired 2 = One 3 = Two 4 = Three or More 0 = Not Applicable
- ☒ Leaflet Type: 1 = Leafless 2 = Semi 3 = Normal

## 6. STIPULES:

- ☒ 1 = Lacking 2 = Present ☒ 1 = Not Clasping 2 = Clasping ☒ 1 = Not Marbled 2 = Marbled
- ☐ Size (Compared with Leaflets): 1 = Smaller 2 = Same 3 = Larger 0 = Not Applicable
- ☐ Color (Compared with Leaflets): 1 = Lighter 2 = Same 3 = Darker 0 = Not Applicable
- ☒ Color: 1 = Light Green 2 = Medium Green 3 = Dark Green 4 = Blue Green 5 = Yellow Green 0 = Not Applicable

Color Chart Value: \_\_\_\_\_

Select the Color Chart Used to Determine the Values:

☐ Royal Horticulture Society Colour Chart☐ Munsell Color Chart☐ Other \_\_\_\_\_

- ☒ Stipule Size: 1 = Small 2 = Medium 3 = Large

Please Provide Comparative Varieties (Check Varieties) and Stipule Color

	Variety (1)	Variety (2)	Variety (3)
Variety Name:	_____	_____	_____
Stipule Size:	_____	_____	_____
Color:	_____	_____	_____
Color Chart Value:	_____	_____	_____

## 7. FLOWER COLOR:

- ☐ Venation ☒ Standard ☒ Wing ☐ Keel
- 1 = White 2 = Greenish 3 = Lavender 4 = Purple 5 = Red 6 = Other (Specify) \_\_\_\_\_

## 8. PODS:

- ☒ Shape: 1 = Straight 2 = Slightly Curved 3 = Curved
- ☒ End: 1 = Pointed (Alderman) 2 = Blunt (Alaska)
- ☒ Color: 1 = Light Green (Alaska WR) 2 = Medium Green 3 = Dark Green (Alderman)  
4 = Other (Specify) \_\_\_\_\_ 5 = Blue 6 = Purple 7 = Yellow
- ☒ Surface: 1 = Smooth 2 = Rough ☒ Surface: 1 = Shiny 2 = Dull
- ☐ Borne: 1 = Single 2 = Double 3 = Single and Double 4 = Single, Double & Triple 5 = Double & Triple  
6 = Triple 7 = Other (Specify) \_\_\_\_\_ 8 = Quad, Single, Double, Triple 9 = Quad
- ☒ cm Length ☒ mm Width (Between Sutures) ☒ No. Seeds Per Pod

## 9. SEEDS: (95-100 Tenderometer)

- ☐ Color: 1 = Light Green 2 = Green 3 = Dark Green 4 = Other (Specify) \_\_\_\_\_  
5 = Yellow 6 = Brown 7 = Yellow Green

	1	2	3	4	5	6	7	8	Average
Seive: %	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>



## 9. SEEDS: (cont.) (Dry-Mature)

☒ Shape: 1 = Flattened 2 = Angular 3 = Oval 4 = Rounded

☐ Surface: 1 = Smooth 2 = Dimpled 3 = Wrinkled ☒ Luster: 1 = Shiny 2 = Dull

☐ Color Pattern: 1 = Monocolor 2 = Mottled 3 = Striped 4 = Dotted

☒ Primary Color: } 1 = Creamy White 2 = Cream & Green 3 = Light Green 4 = Medium Green  
☐ Secondary Color: } 5 = Dark Green 6 = Blue Green 7 = Yellow 8 = Brown  
9 = Red 10 = Gray 11 = Black 12 = Salmon  
13 = Purple 14 = Tan 15 = White 16 = Pink  
17 = Yellow Green

☐ Hilum Color: 1 = White 2 = Tan 3 = Black

☐ Cotyledon Color: 1 = Green 2 = Yellow 3 = Orange 4 = Cream

☒ 30 Grams per 100 Seeds

## 10. DISEASE: (0 = Not Tested, 1 = Susceptible, 2 = Resistant, 3 = Moderately Resistant, 4 = Moderately Susceptible, 5 = Tolerant)

<input type="checkbox"/> Fusarium Wilt – Race 1	<input type="checkbox"/> Fusarium Wilt (Near Wilt) – Race 2
<input type="checkbox"/> Ascochyta Blight	<input type="checkbox"/> Common Mosaic
<input type="checkbox"/> Bacterial Blight	<input type="checkbox"/> Pea Enation Mosaic Virus
<input type="checkbox"/> Downy Mildew	<input type="checkbox"/> Seedborne Mosaic Virus
<input checked="" type="checkbox"/> Powdery Mildew	<input type="checkbox"/> Yellow Bean Mosaic Virus
<input type="checkbox"/> Other (Specify) _____	<input type="checkbox"/> Leaf Roll Virus
<input type="checkbox"/> Other (Specify) _____	<input type="checkbox"/> Other (Specify) _____

## 11. INSECT: (0 = Not Tested, 1 = Susceptible, 2 = Resistant, 3 = Moderately Resistant, 4 = Moderately Susceptible, 5 = Tolerant)

☐ Aphids ☐ Other (Specify) \_\_\_\_\_

## 12. Additional information on any item above, or general comments that may aid in identification:

  
**Limagrain**  
**Advanta**

P.O. Box 139 - Lelystadweg 36  
8200 AC Lelystad - The Netherlands  
Tel. +31(0)320 22 57 00

U.S. DEPARTMENT OF AGRICULTURE  
AGRICULTURAL MARKETING SERVICE

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). The information is held confidential until the certificate is issued (7 U.S.C. 2426).

EXHIBIT E  
STATEMENT OF THE BASIS OF OWNERSHIP

1. NAME OF APPLICANT(S)  Limagrain Advanta Nederland B.V.	2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER  Ceb 1093	3. VARIETY NAME  Matrix
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP, and Country)  P.O. Box 1 4410 AA Rilland Netherlands.	5. TELEPHONE (Include area code)  +31-113-557-100	6. FAX (Include area code)  +31-113-552-237.
7. PVPO NUMBER		#200700323

8. Does the applicant own all rights to the variety? Mark an "X" in the appropriate block. If no, please explain. ☒ YES ☐ NO9. Is the applicant (individual or company) a U.S. national or a U.S. based company? If no, give name of country. ☐ YES ☒ NO  
Netherlands10. Is the applicant the original owner? ☒ YES ☐ NO If no, please answer one of the following:

a. If the original rights to variety were owned by individual(s), is (are) the original owner(s) a U.S. National(s)?

☐ YES ☐ NO If no, give name of country  
Netherlands

b. If the original rights to variety were owned by a company(ies), is (are) the original owner(s) a U.S. based company?

☐ YES ☐ NO If no, give name of country  
Netherlands

11. Additional explanation on ownership (Trace ownership from original breeder to current owner. Use the reverse for extra space if needed):

## PLEASE NOTE:

Plant variety protection can only be afforded to the owners (not licensees) who meet the following criteria:

1. If the rights to the variety are owned by the original breeder, that person must be a U.S. national, national of a UPOV member country, or national of a country which affords similar protection to nationals of the U.S. for the same genus and species.
2. If the rights to the variety are owned by the company which employed the original breeder(s), the company must be U.S. based, owned by nationals of a UPOV member country, or owned by nationals of a country which affords similar protection to nationals of the U.S. for the same genus and species.
3. If the applicant is an owner who is not the original owner, both the original owner and the applicant must meet one of the above criteria.

The original breeder/owner may be the individual or company who directed the final breeding. See Section 41(a)(2) of the Plant Variety Protection Act for definitions.

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 0.1 hour per response, including the time for reviewing the instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

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To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 14th and Independence Avenue, SW, Washington, D.C. 20250-9410 or call (202) 720-5964 (voice and TDD). USDA is an equal opportunity provider and employer.

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U.S. DEPARTMENT OF AGRICULTURE  
AGRICULTURAL MARKETING SERVICE  
SCIENCE AND TECHNOLOGY  
PLANT VARIETY PROTECTION OFFICE  
BELTSVILLE, MD 20705

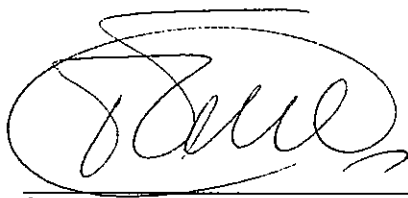
EXHIBIT F  
DECLARATION REGARDING DEPOSIT

NAME OF OWNER (S)	ADDRESS (Street and No. or RD No., City, State, and Zip Code and Country)	TEMPORARY OR EXPERIMENTAL DESIGNATION
Limagrain Advanta Nederland B.V.	v d. Haveweg 2 4411 RB Rilland Netherlands.	Ceb 1093
NAME OF OWNER REPRESENTATIVE (S)	ADDRESS (Street and No. or RD No., City, State, and Zip Code and Country)	VARIETY NAME MATRIX
		DATE OF DEPOSIT ONLY
		PVPO NUMBER #200700323

I do hereby declare that during the life of the certificate a viable sample of propagating material of the subject variety will be deposited, and replenished as needed periodically, in a public repository in the United States in accordance with the regulations established by the Plant Variety Protection Office.

  
**Limagrain**  
**Advanta**

P.O. Box 139 - Lisdoddeweg 36  
8200 AC Lelystad - The Netherlands  
Tel. +31(0)320 22 57 00

  
Signature

30-03-2007  
Date